



WILFLEX® SSV SERIES

Athletic Ink

DESCRIPTION

Wilflex SSV (Silk Screen Vinyl) is a plastisol screen printing ink formulated for direct screen applications on textiles. Wilflex SSV is ideal for athletic printing because it has excellent abrasion resistance, elongation and tensile strength. Wilflex SSV has minimal after-flash tack and works well in applications requiring heavy deposits and multiple ink layers. SSV may be heat transferred from release paper to garment and also may be used as a flock adhesive.

PRINTER'S PARAMETERS

Substrates	100% cotton, cotton blends, polyesters, some nylon (generally open weave or mesh types).
Mesh (on darks)	60-110 t/in (24-43 t/cm)
Mesh (fine line)	110-140 t/in (43-55 t/cm)
Emulsion	Conventional direct or capillary films.
Squeegee	55-70 durometer
Gel temp	210-230 F (100-110 C)
Cure temp	320 F (160 C) entire film
Extender	None
Reducer	Up to 5 percent (by weight) Curable Reducer #10070
Storage	65-90 F (18-32 C). Avoid direct sun. Use within one year of receipt.
Wash-up	Wilflex Screen Wash
Health & Safety data	Available upon request

FEATURES

- Excellent abrasion resistance for athletic applications
- Works well in applications requiring heavy deposits and multiple ink layers

ATHLETIC GOLDS

Several special SSV Gold shades have been designed to print a bleed-resistant, heavy deposit of ink onto athletic garments. These products are: SSV Athletic Gold #80010, Athletic Lt., Gold #80110, and IS Omni Gold #88800. Even though these products are bleed-resistant, preprint and test all substrates before starting a production run. On some types of fabric, dye migration may occur. To determine a material's bleed potential, please see the testing procedures outlined the Wilflex User's Manual. Omni Gold has been formulated to flash more quickly than the other athletic gold inks. Also, Omni Gold will not be as glossy as other SSV colors.

SPECIAL RECOMMENDATIONS

- Perform fusion tests before production. Failure to cure ink properly can result in poor wash fastness, inferior adhesion, unacceptable durability, and increased likelihood of dye migration. Testing procedures for plastisol fusion are outlined in the User's Manual.
- Avoid excessive overflashing, as it can result in poor inter-coat adhesion of overprint colors. Due to differences in power, height above ink film, and efficiency of the flash unit, a specific dwell time cannot be given. Incorporating the use of finer mesh counts for your flash plate will decrease the dwell time needed to gel the ink, resulting in faster production speeds. Be certain to set flash dwell times on heated pallets to simulate production. Adjust your settings so that the ink is just dry to the touch.
- Stir plastisols prior to printing.
- Do not dry clean, bleach or iron the printed area.
- Any application not referenced in this product information bulletin should be pre-tested or consultation sought with PolyOne Technical Services Department prior to printing (US - 800-735-4353).

Effective 5/28/2002. Not all Wilflex products are available in every country. The information in this publication is based on information and experience believed reliable. Since many factors may affect processing for an application, processors must carry out their own tests and experiments to confirm suitability for intended use. You must make your own determination of suitability for your intended use and environmental acceptability, the safety and health of your employees, and purchasers of your product.

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